



Technical Training

Computer-based training packages can assist in helping you protect and manage your machinery

Computer-based training (CBT) can help you learn data acquisition fundamentals without leaving your job site. Our CBT packages are cost-effective and self-paced. They are also easy to use, operating under the Microsoft Windows platform. Learning is supported by high quality graphics and animations. You can "map" your current progress at any time within the program and check your understanding of terms with the online glossary.

Topics now available include:

- Vibration Noise and Error Sources
- Noise Reduction Techniques
- Measurement Conventions
- Phase Measurements
- Vibration Transducer Operation
- Transducer Selection

Complete CBT and site-licensing packages are available on CD ROM.

Vibration Transducer Selection

A Velomotor® has no moving parts, and is therefore more reliable than the traditional velocity transducer. A signal is generated by a ceramic piezoelectric disk clamped between two masses.

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Phase Measurements

In the figure below, the direction of rotation and the direction of vibration are the same. Shaft vibration and rotation are both counterclockwise; therefore vibration is forward.

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Because they are all contained on one disk, they are convenient to use and provide an excellent way to manage training records. They contain full network support for Windows 3.1, Windows 95 and Windows NT.

For more information on computer-based training or any of our Technical Training Seminars, contact your nearest Bently Nevada representative or check the box on the reader service card. ■

Vibration Transducer Operation

This is an animation of an actual experiment, three different types of transducers observing the same surface. The relationship between displacement, velocity, and acceleration is shown.

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Minden research and training facility opens

Bently Nevada recently opened a new research and training facility in Minden, Nevada. All future Minden Technical Training Seminars will be offered in this new 20,850 sq. ft. facility. The building was designed for effective learning, research and consulting. Classes are held in a tiered, amphitheater-style classroom with full audio-visual capabilities. Adjacent to the classroom is a laboratory room with six complete workstations that the students use for hands-on workshops.

Another advantage of the facility is that Bently Nevada Research Scientists and Corporate Machinery Diagnostic Service Engineers, some of the world's leading rotor dynamic experts, share the same building and are available as resources and instructors. ■



The new research and training facility at Bently Nevada's corporate headquarters in Minden, Nevada. The facility features an amphitheater-style classroom with full audio-visual capabilities and adjacent laboratory with workstations for hands-on training.